

“OGB PolyTrend”
(8070)
Intensive Care Incubator
Service Manual



THIS MANUAL HAS BEEN REALIZED
RESPECTING THE ENFORCED NORMS.

This manual refers to the enclosed equipment:

OGB PolyTrend INCUBATOR

S/N

1 PRESENTATION

Presentation

Dear Customer

Ginevri thanks you for choosing our firm and the quality of our products. The longstanding Ginevri traditions of professionalism, reliability and availability will once again prove to be your best reward for entrusting us at Ginevri with your neonatal purchases.

Giorgio Ginevri

GINEVRI s.r.l. – Registered office

Via Cancelliera 25/B - 00041 - Albano Laziale (Roma) - Italy



Warning



This manual must be carefully read by all personnel who install, use or maintain these units.

The operation of this equipment in accordance with the instructions contained in the user and service manuals, combined with regular service maintenance - performed with Ginevri original spare parts and consumables - will assure the efficiency of our devices and the long lasting quality of their performance and reliability.

Maintenance and service must only be performed by technicians who have been trained and authorized by Ginevri.

2. TECHNICAL ASSISTENCE

Maintenance service

Ginevri representative in your country can stipulate, within one month before warranty period expiry, various kinds of maintenance contract.

For any inquiry please contact us:

GINEVRI s.r.l. - Servizio Assistenza Clienti
Via Cancelliera 25/B
00041 Albano Laziale (Roma) - Italy
tel. 06 93459331
fax 06 93459393
E-mail: **export@ginevri.com**
www.ginevri.com

The device is manufactured in compliance with the standards CEI 62.5 (file 1445 of 01/91) and EN 60 601-1 and related IEC 601-2-50. Moreover the device is provided with an EMC (electromagnetic compatibility) anti-jamming device.

If servicing/maintenance after warranty period is performed by other companies not qualified/authorized by us, all fixed parts have to be marked by the repairer. The repairer has to verify and guarantee in writing the perfect functioning of the device. Any modification of the device must comply with the Medical Devices Normative law 93/42/CEE and approved by Ginevri s.r.l.

For maintenance service original materials must be used.

3. EC CERTIFICATE

"EC" Certificate

EC CERTIFICATE

Certificate No 747/MDD

Annex

Infant intensive care incubators
Type ref. OGB Poly Care 1; OGB Poly Care 2; OGB Poly Care 3; OGB Poly Care 4;
OGB polytrend.
Trade mark Ginevri

Transport infant incubators
Type ref. Baby Shuttle Normal Care; Baby Shuttle Special Care;
Baby Shuttle Intensive Care.
Trade mark Ginevri

Infant warmers
Type ref. IW409; IW509; IW909.
Trade mark Ginevri
Series: IW509 PLUS.
Trade mark Ginevri
Series: Isola Neonatale Type ref. ALHENA PLUS ELEVABILE; ALHENA PLUS FISSA; ALHENA
ELEVABILE; ALHENA FISSA.
Trade mark Ginevri

Infant heating mattress
Type ref. Acquatherm.
Trade mark Ginevri

Oxygen analyzers
Type ref. LCD 1000.
Trade mark Ginevri

Oxygen tents
Type ref. Oxytent 1000; Oxytent 2000.
Trade mark Ginevri

Phototherapy lamps in neonatal hyperbilirubinemia
Type ref. IP; IPR; RPR; RPS; D; GN; Billilight.
Trade mark Ginevri

Auxiliary infant warmers
Type ref. Hot Spot.
Trade mark Ginevri

Air compressor for transport incubator

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 IMQ

This is a translation of the Italian text, which prevails in case of doubts


 IMQ S.p.A. - 20158 Milano - Via Quintilano 43 - tel. 02/507311ca - fax 02/50991500 - info@imq.it - www.imq.it
 Rea MI 1395884 - Registro Imprese MI 12996410159 - C.F./P.I. 12096410159 - Capitale sociale 4.000.000 euro

"ISO" Certificates

UNI EN ISO 9001 - *Quality management system*

CSQ No. Cert. 9120.GIN1

IQnet No. Cert. IT-37100

CE 0051

UNI EN ISO 13485 - *Particular requirements for medical devices*

CSQ No. Cert. 9124.GIN2

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4. CHECK AND CALIBRATION

It is recommended to verify the correct working oxygen probe at least once every six months; This is to assure oneself of the correct working order of the apparatus and in that way safeguard the health of the newborn patient. **The verification is carried out by means of two calibration devices, studied and tested by Ginevri s.r.l., which in case of malfunction are indispensable for the re-alignment of the sensor probe.**

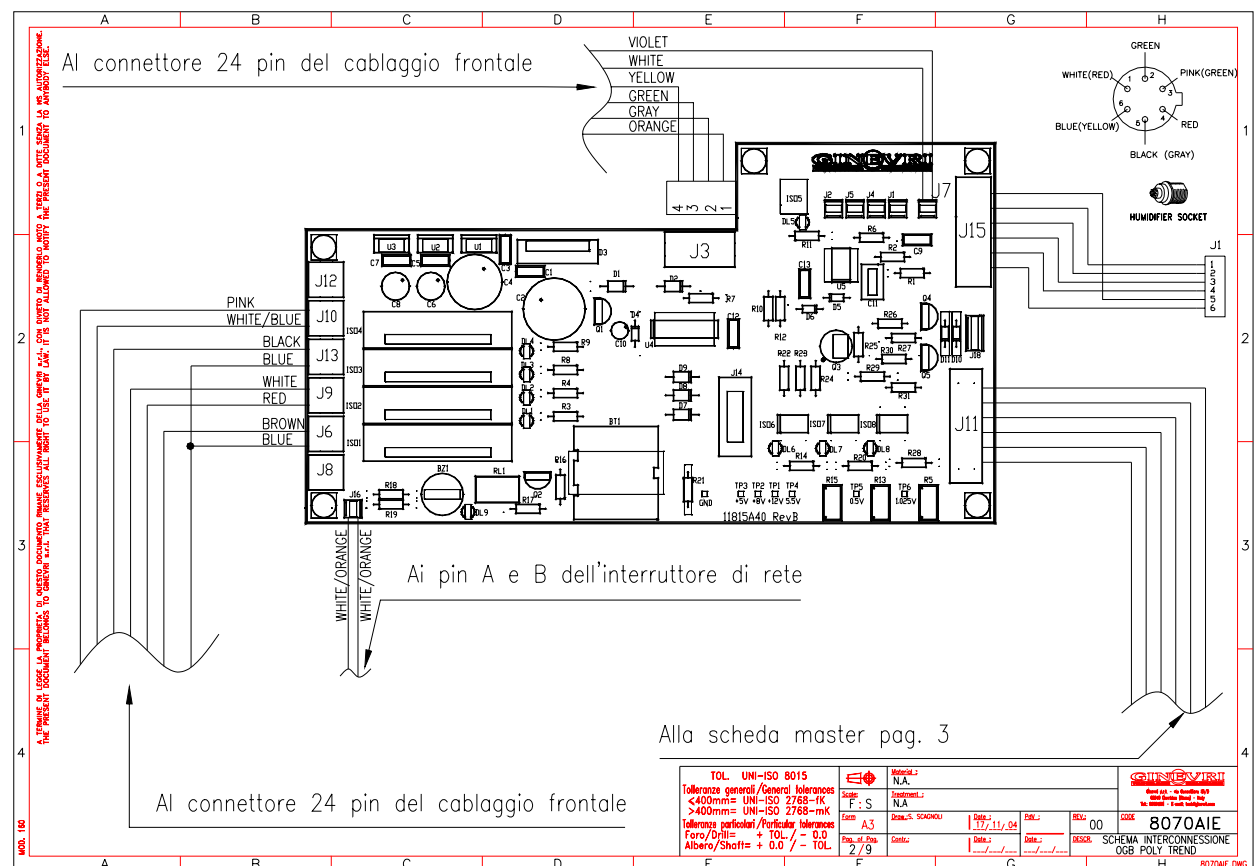
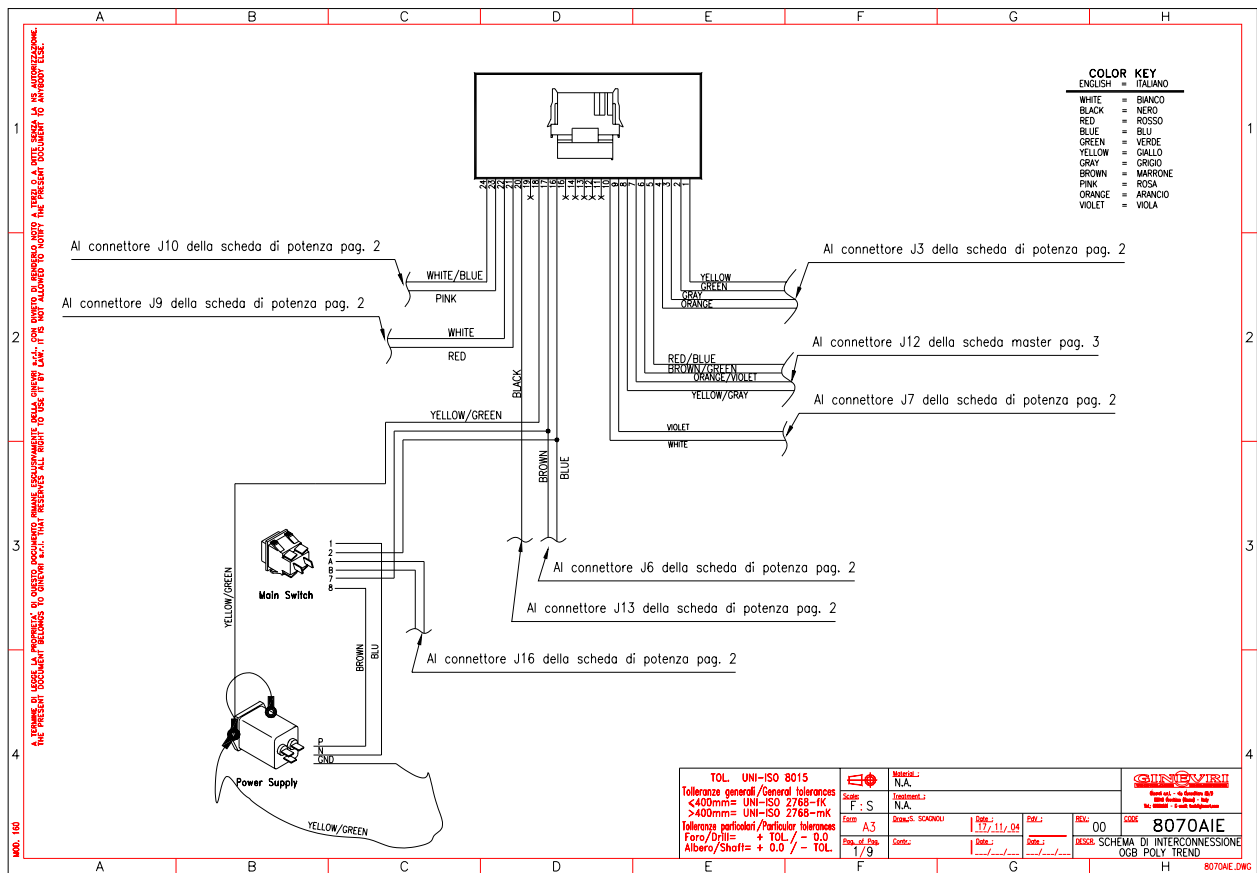
The calibration devices is optional and can be ordered from Ginevri s.r.l., using the code **10875A60 (Oxygen sensor probe simulator).**

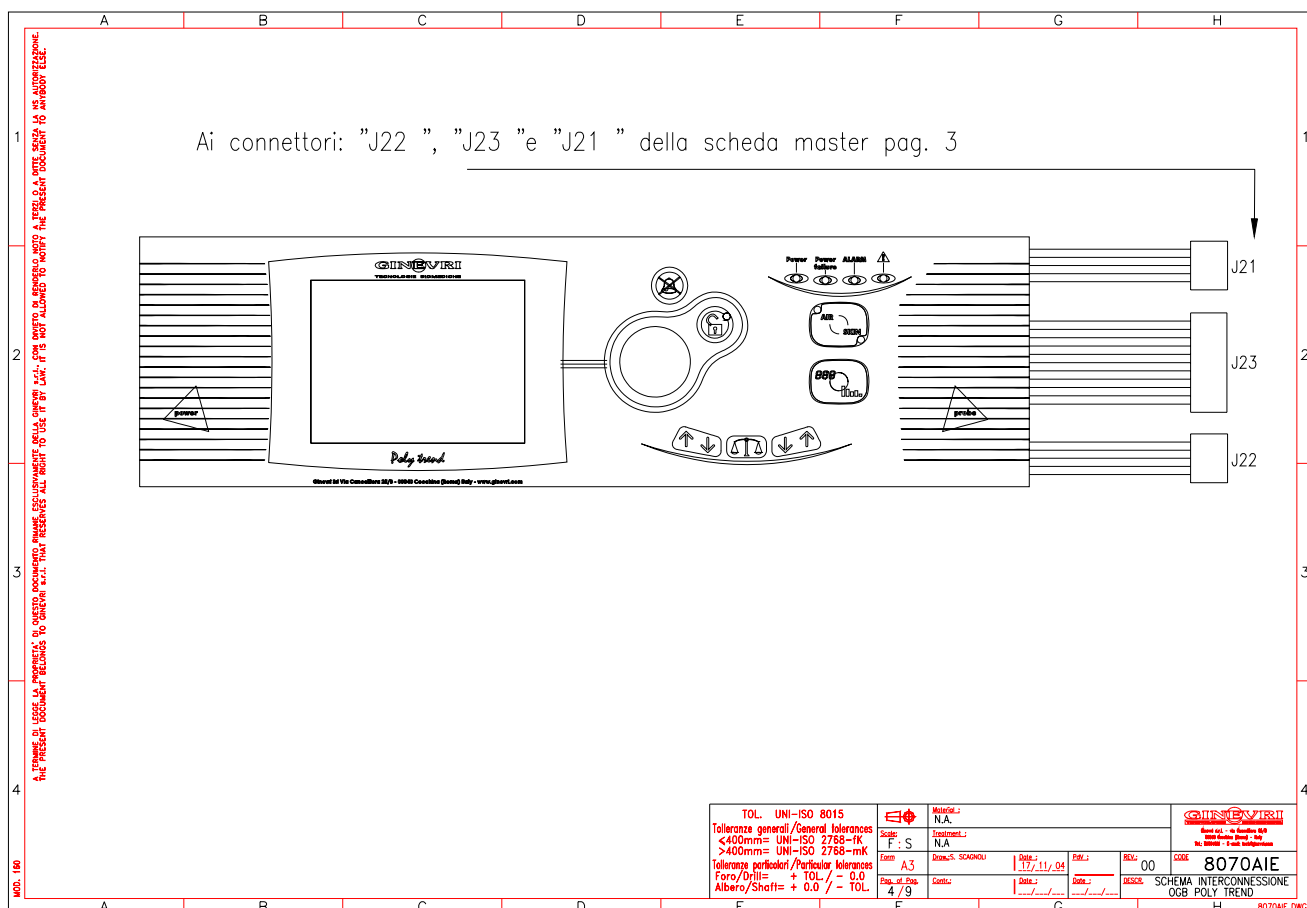
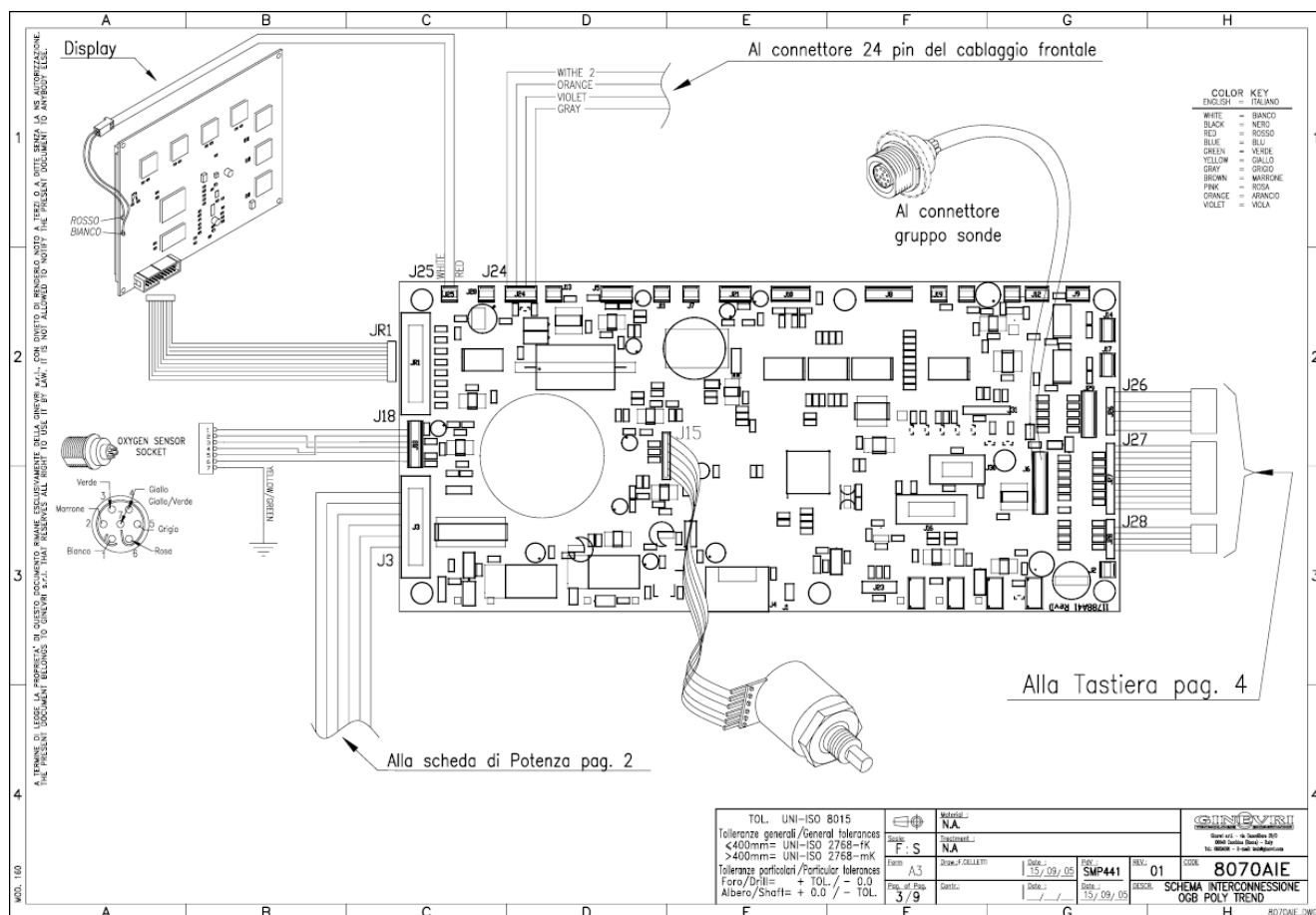
To carry out the sensor probe calibration check, proceed as listed below.

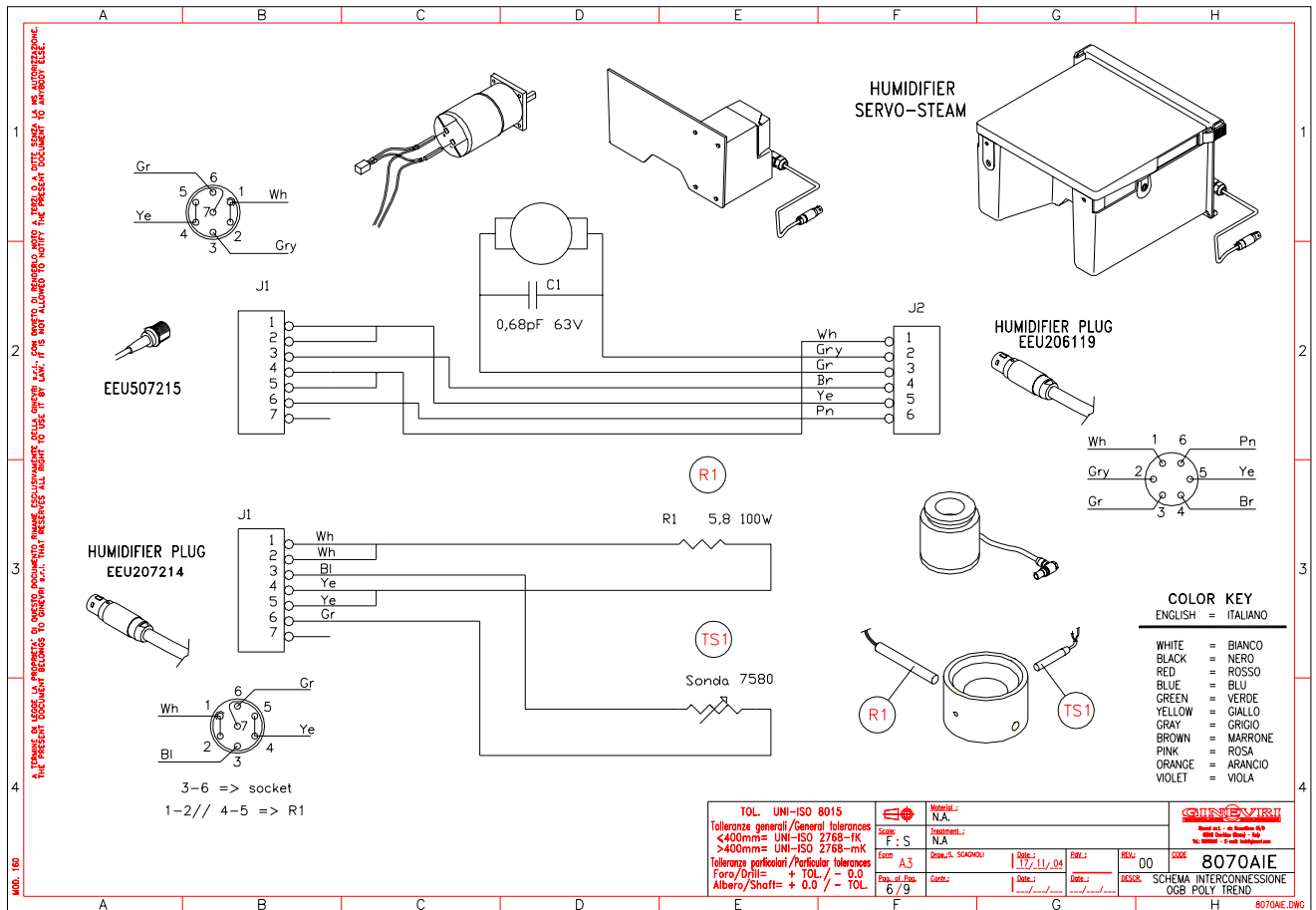
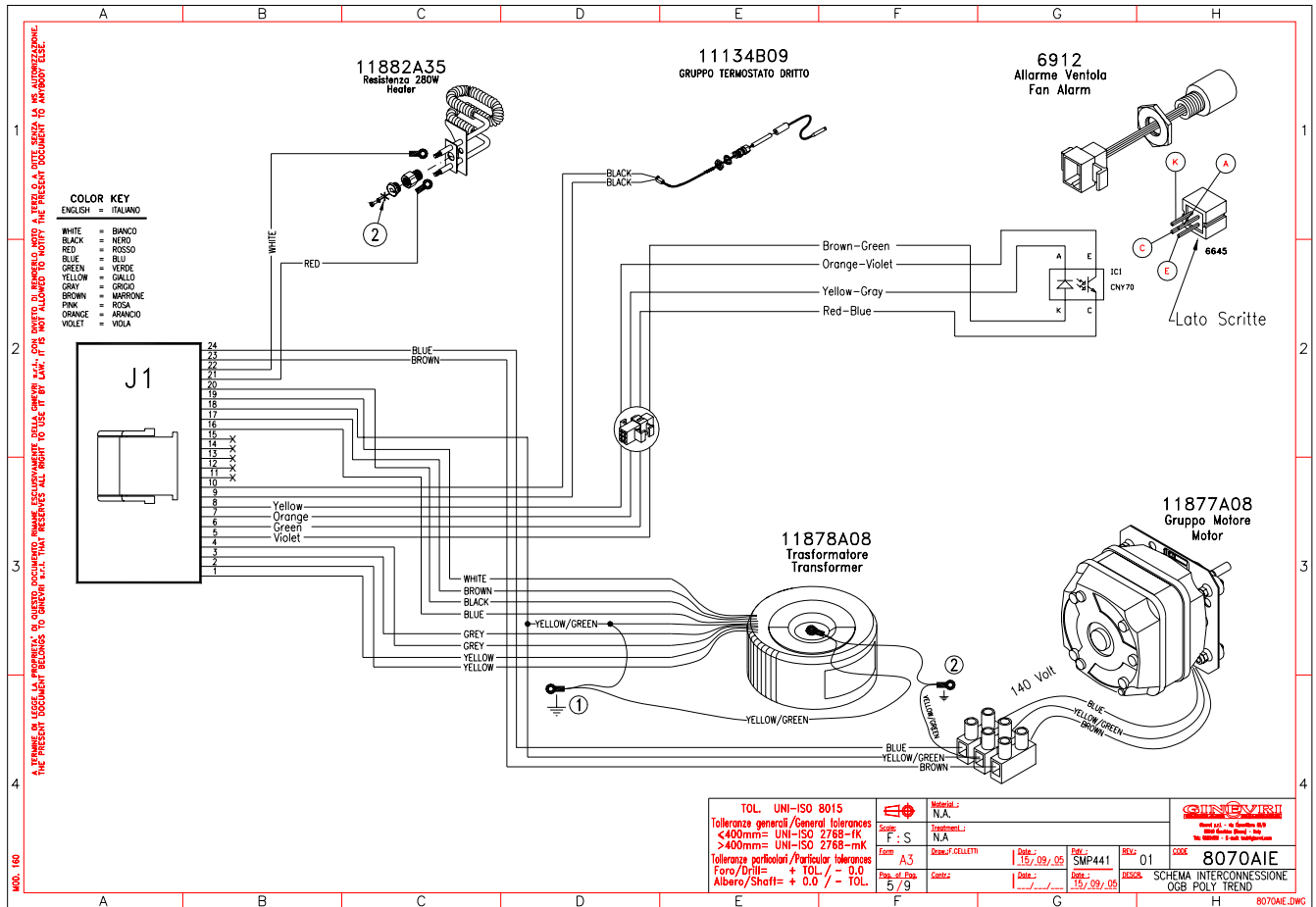
4.1 Calibration oxygen

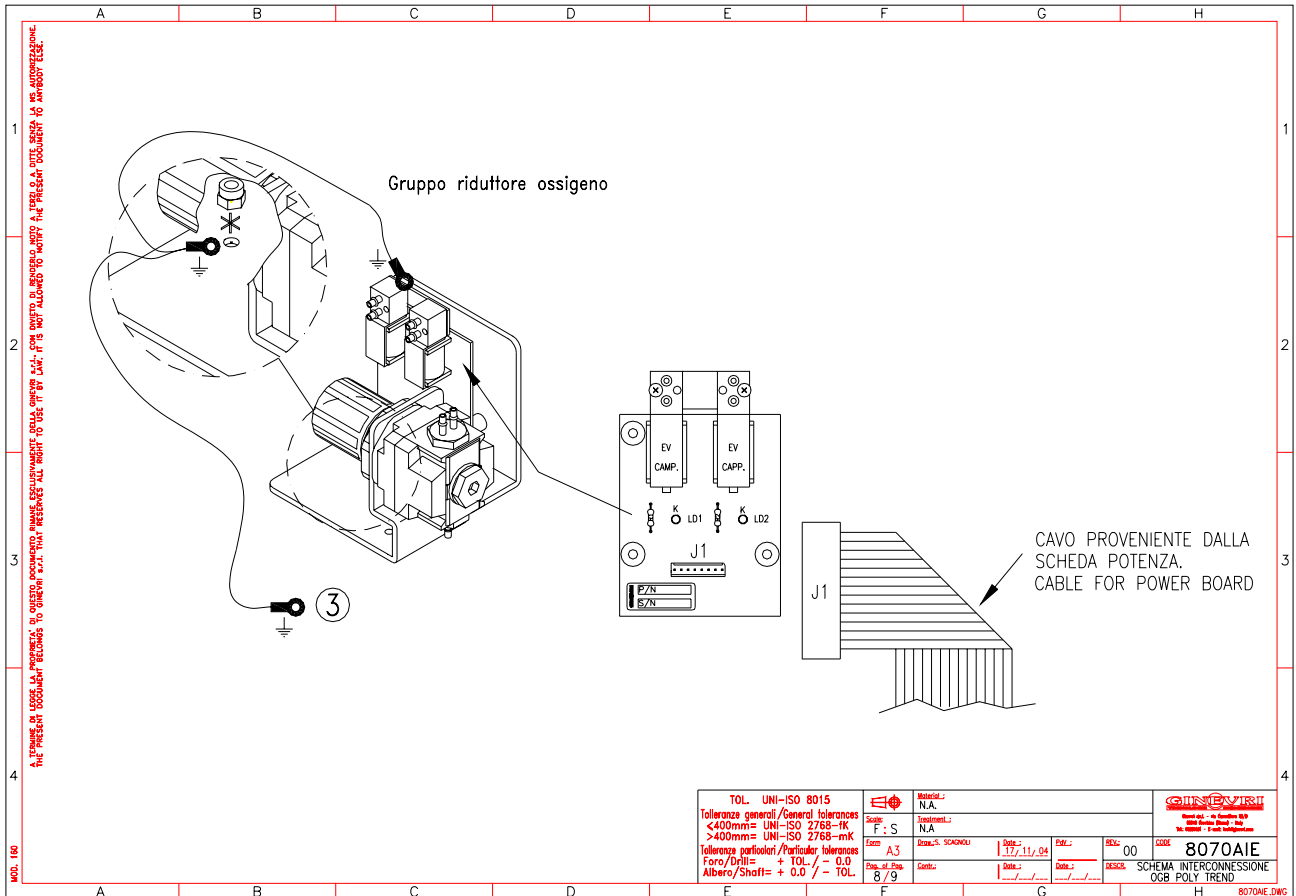
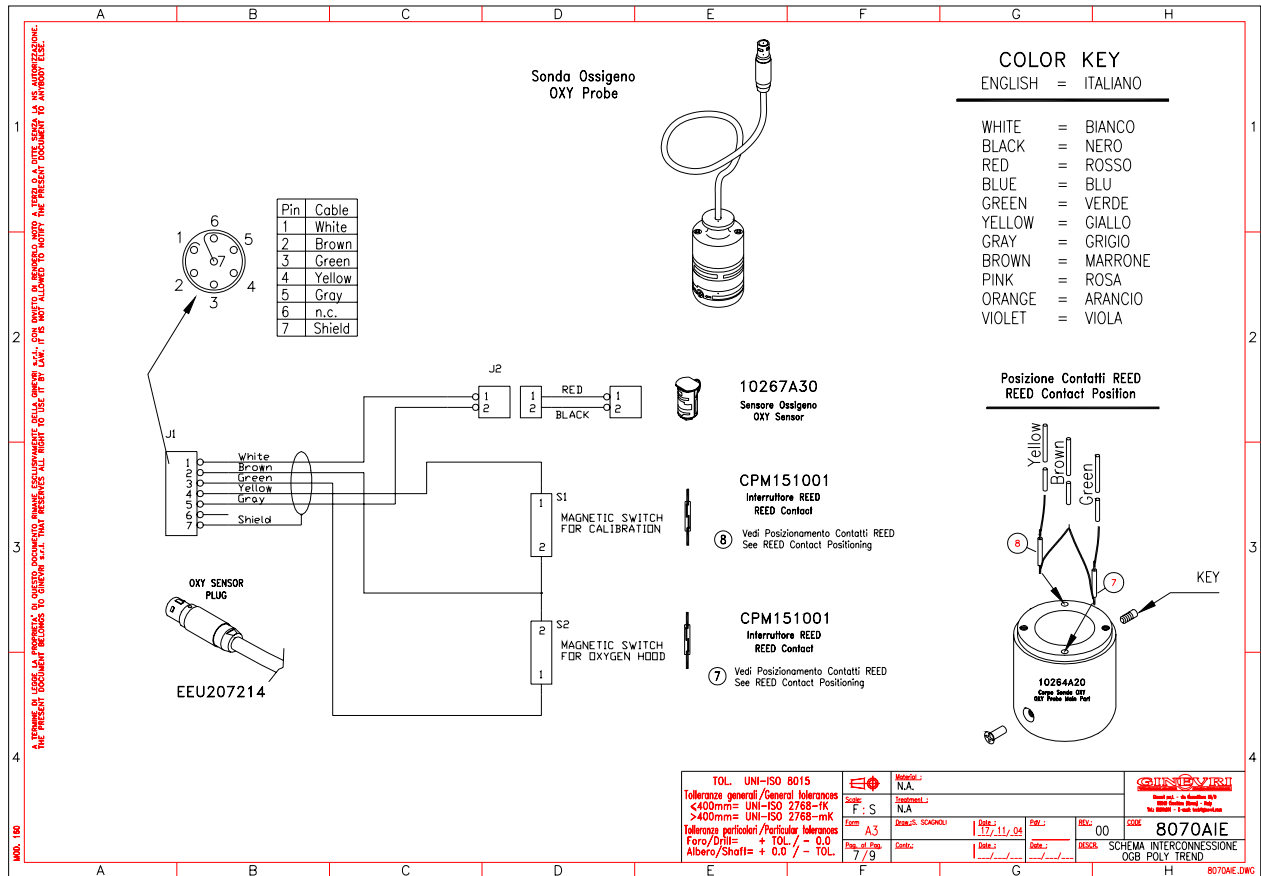
- a) During normal working, in both AIR or SKIN modes, connect the Oxygen/Humidity calibration device to the oxygen probe plug.
- b) Set the calibration device switch to MEASURE.
- c) Select the calibration device selector to CAL and wait about 30 seconds to carry out the calibration.
- d) Verify that the OXYGEN % Display shows the CAL symbol.
- e) During the calibration period, verify that the OXYGEN % Display shows 21%.
- f) Set the calibration device to 98% and verify that the OXYGEN % Display shows $98\% \pm 1\%$ of oxygen.

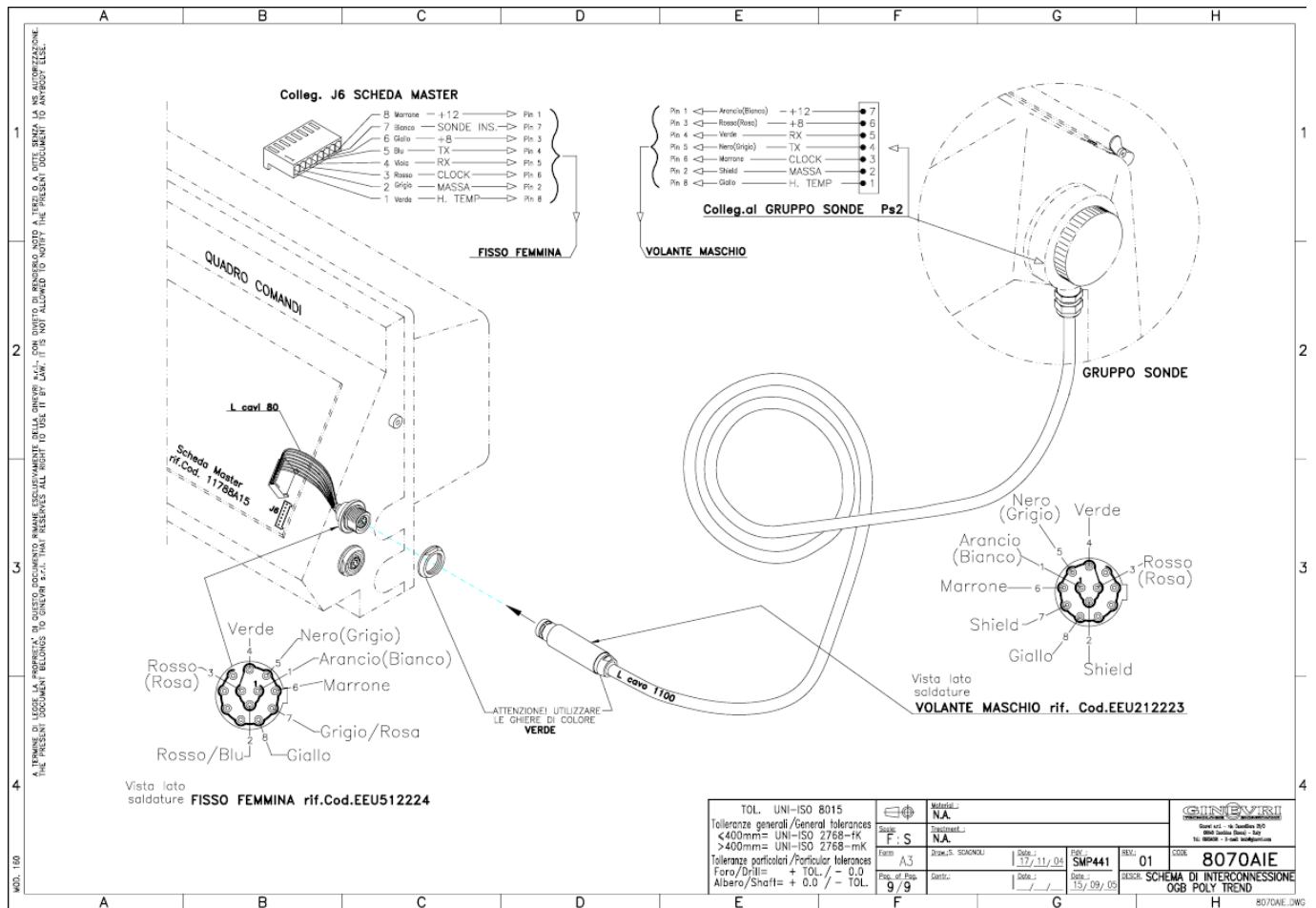
5. ELECTRICAL INTERCONNECTION





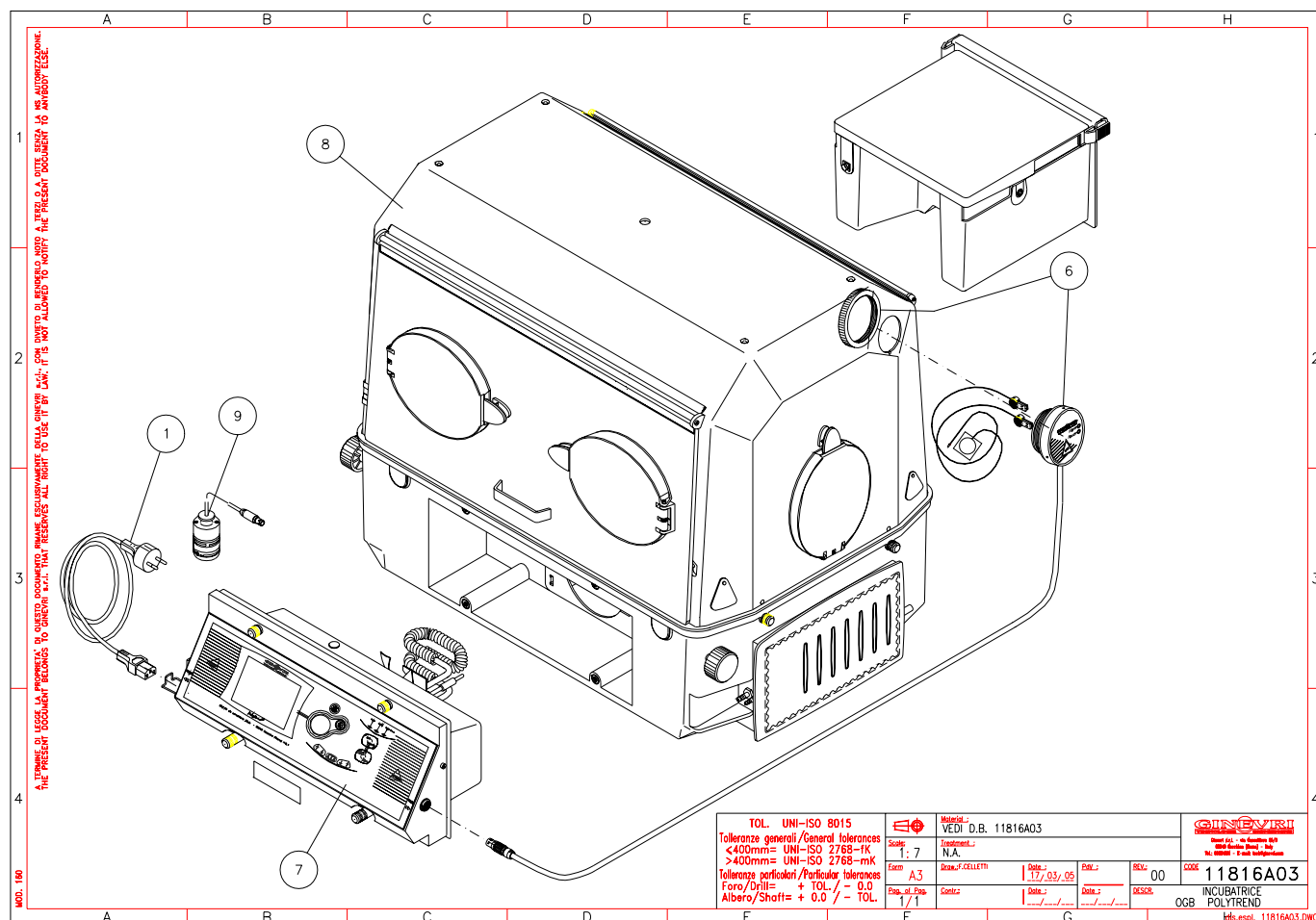






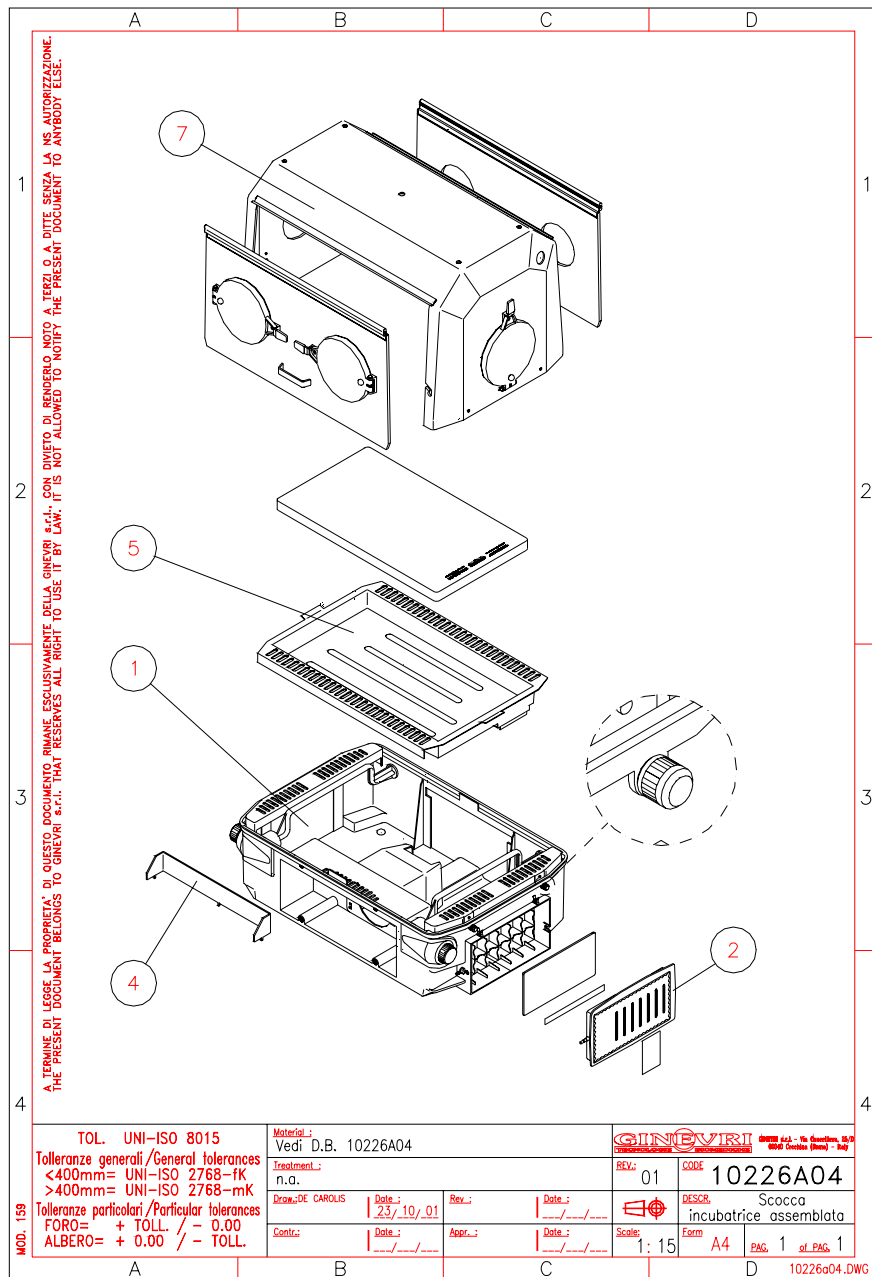
6. SPARE PARTS

6.1. OGB POLYTREND INCUBATOR



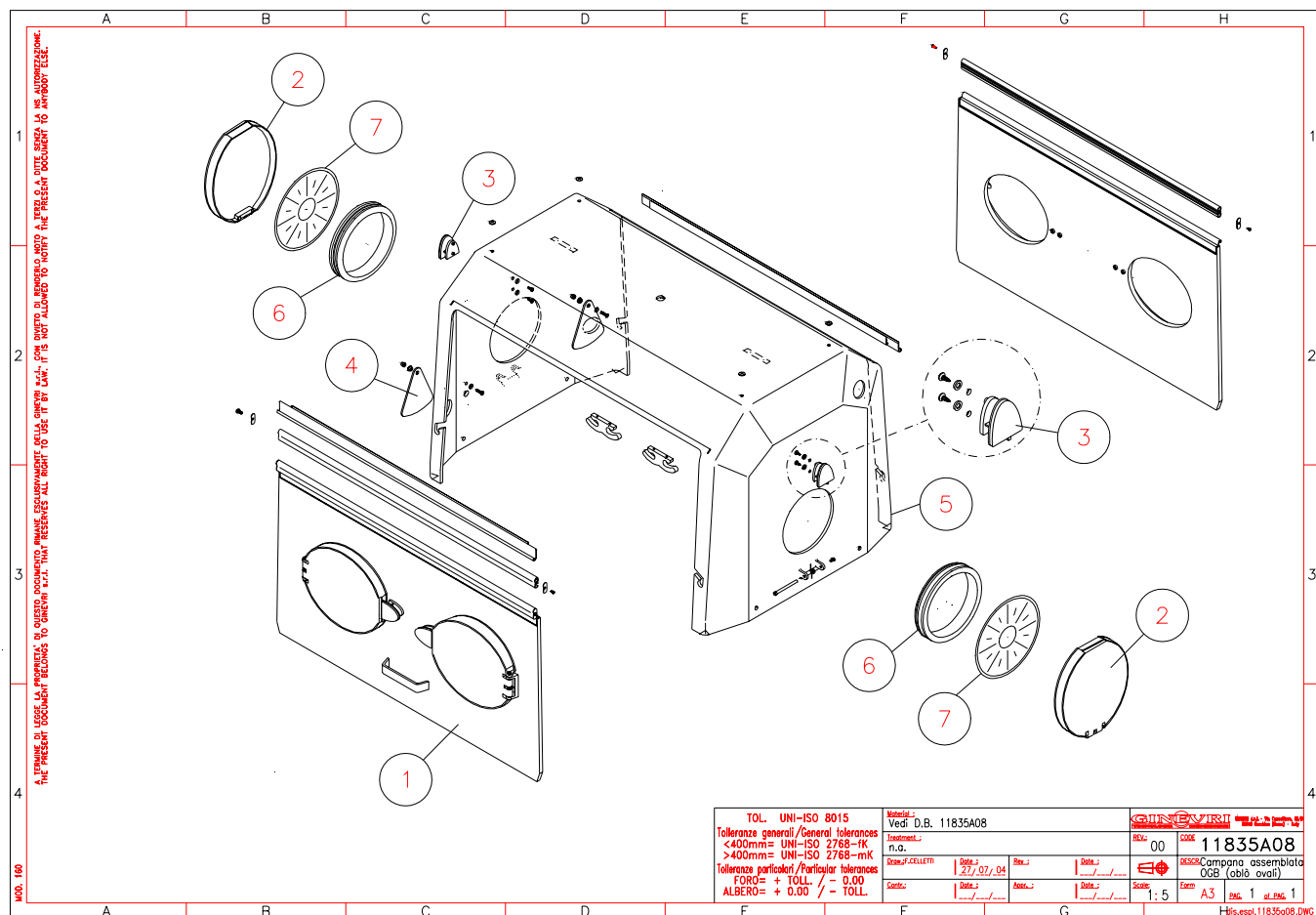
Ref.	Code	Description	Qty
1	11885A72	SCHUKO-IEC POWER SUPPLY CABLE	1
6	11804A72	POLYTREND SENSOR PROBE GROUP	1
7	11817F72	POLYTREND 8070 CONTROL PANEL	1
7	11817A72	POLYTREND 8070A CONTROL PANEL	1
7	11817B72	POLYTREND 8070B CONTROL PANEL	1
7	11817C72	POLYTREND 8070C CONTROL PANEL	1
7	11817D72	POLYTREND 8070D CONTROL PANEL	1
7	11817E72	POLYTREND 8070E CONTROL PANEL	1
8	10226A72	INCUBATOR BODY ASSEMBLY	1
9	11820A72	POLYTREND OXIGEN PROBE 1PCS (WITHOUT SENSOR)	1

6.2. INCUBATOR BODY ASSEMBLY



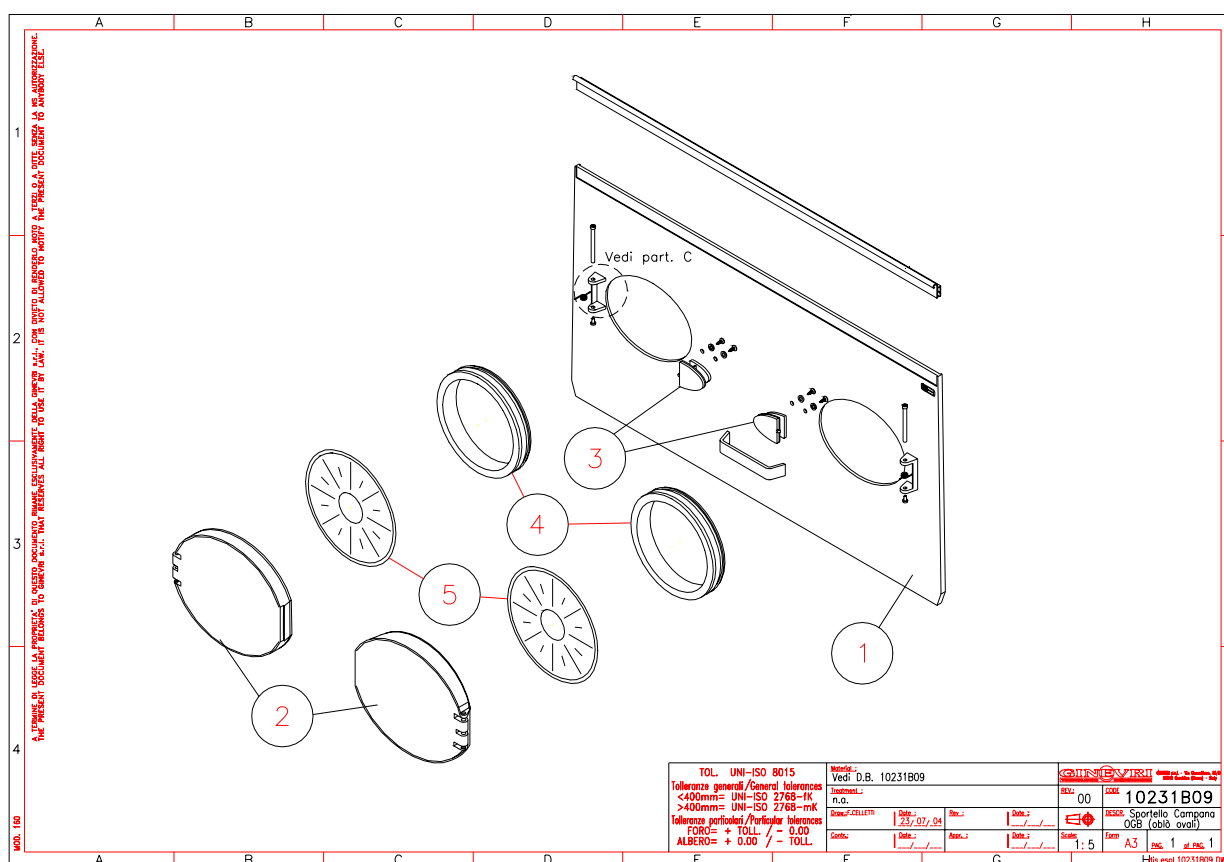
Ref.	Code	Description	Qty
1	10106A72	COMPLETE OGB INCUBATOR BASE	NR 1
2	11315A72	MICRO-FILTRO PANEL ASSEMBLY	NR 1
5	6100A72	OGB CEI PATIENT BASIN	NR 1
4	7320A72	AIR CONVEYOR IN LEXAN	NR 1
7	11911A72	OGB INCUBATOR POLITREND HOOD	NR 1

6.3. INCUBATOR HOOD ASSEMBLY



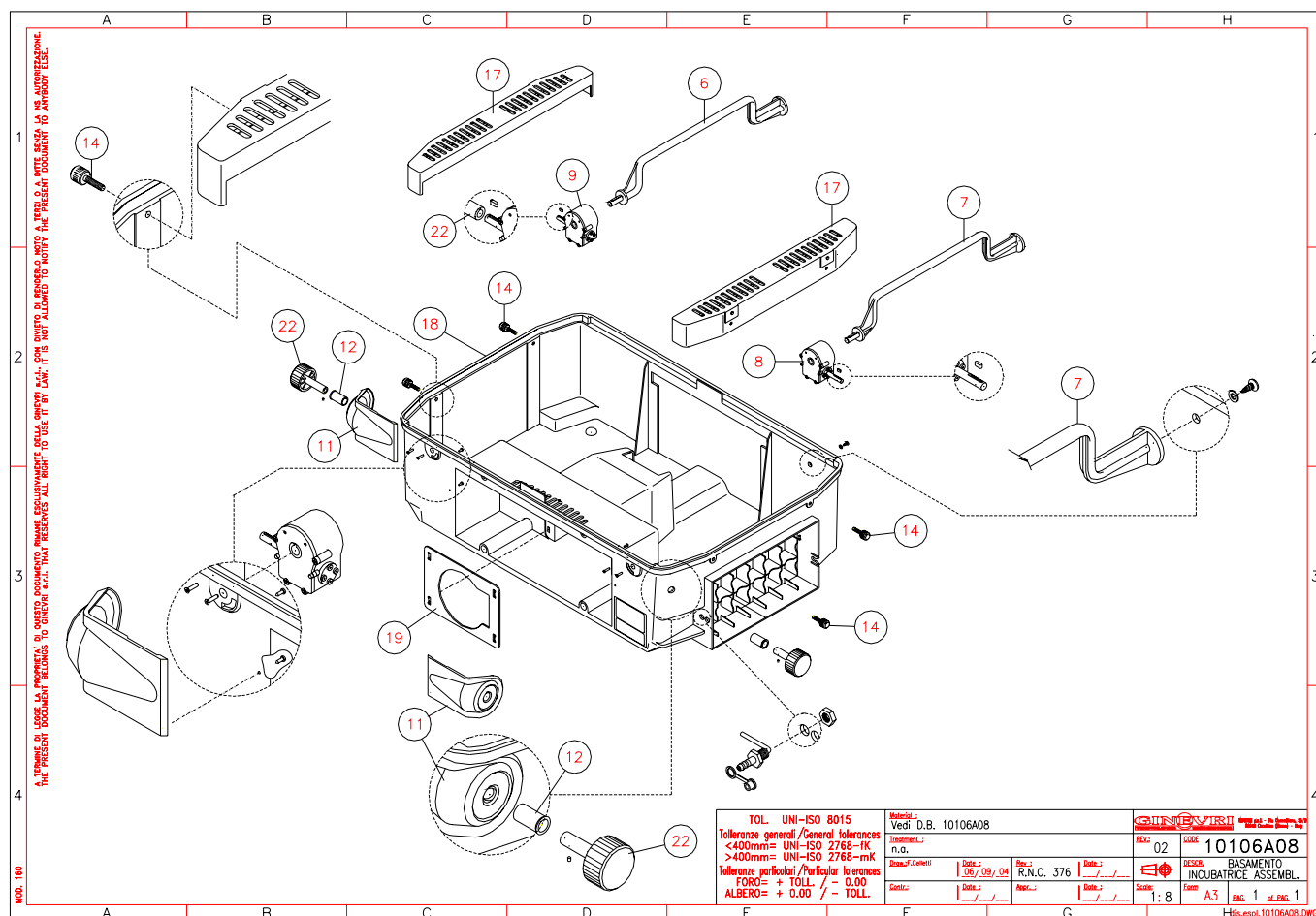
Ref.	Code	Description	Qty
1	10231B72	HOOD DOOR PANEL OVAL PORT ASSEMBLY	1
2	11745A72	OGB INCUBATOR OVAL PORTHOLE	2
3	11750A72	PUSH OPENERS FOR ACCESS PORTS	6
4	2592A72	TRIANGLE FOR OGB	2
5	7460A72	OGB INCUBATOR HOOD LEXAN N/MOD	1
6	12029A73	RUBBER SEAL FOR THE HOOD (ROUND HOLES)	6
7	11725A73	SLEEVE FOR PORTHOLE	12

6.4. HOOD DOOR PANEL ASSEMBLY



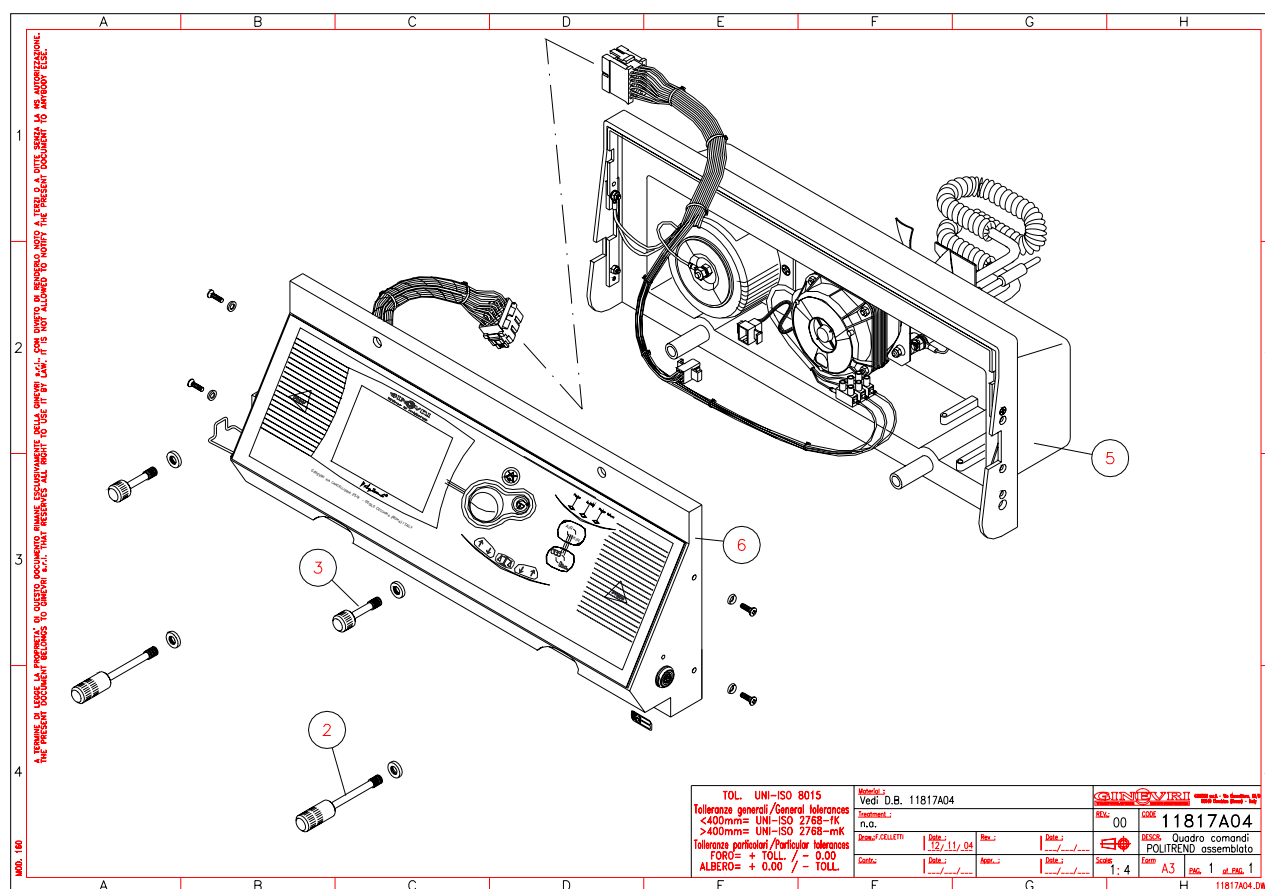
Ref.	Code	Description	Qty
1	11744A72	OGB INCUB. DOOR WITH OVAL PORTS	1
2	11745A72	OVAL ACCESS PORTS OGB INCUB.	2
3	11750A72	PUSH OPENERS FOR ACCESS PORTS	6
4	11721A73	RUBBER SEAL FOR DOORS WITH OVAL PORTHOLES	6
5	11725A73	SLEEVE FOR PORTHOLE	12

6.5. BASE ASSEMBLY



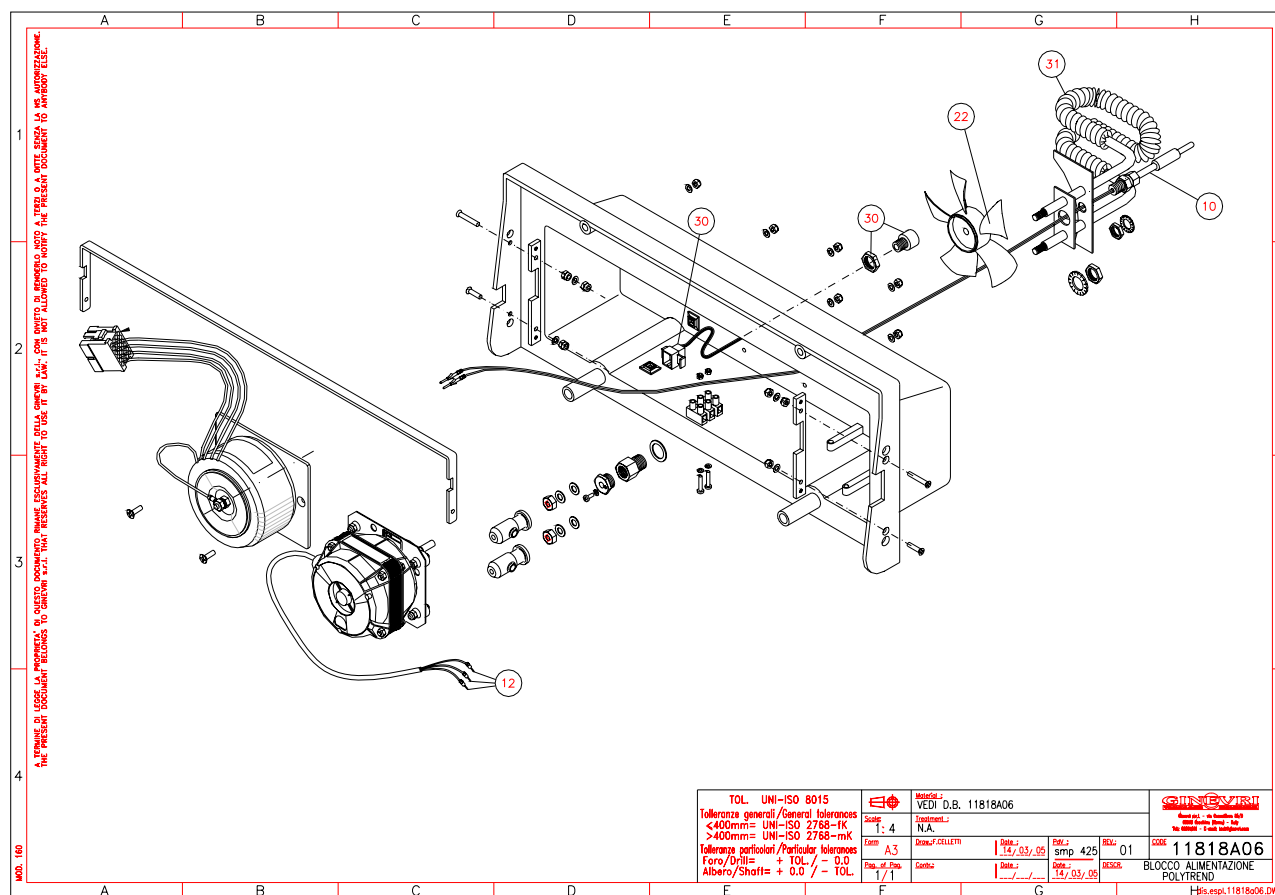
Ref.	Code	Description	Qty
6	10107A72	LEFT BED POSITIONING ARM	NR 1
7	10108A72	RIGHT BED POSITIONING ARM	NR 1
8	10244A72	SMOOTH TILT RIGHT	NR 1
9	10245A72	SMOOTH TILT LEFT	NR 1
11	10744A72	CARTER SMOOTH-TILT HANDLE	NR 1
12	10745A72	S-T KNOB CROSSING BUSH	NR 2
14	1660A72	ROUNDED KNOB M6x25	NR 4
17	453A72	SIDE BARS, with vent slits, for OGB	NR 2
18	5846A72	OGB LEXAN BASE	NR 1
19	5932A72	DIAPHRAM OGB/2000 LEXAN	NR 1
22	7702A72	ROUNDED KNOB D.50 x ARM D.8	NR 2

6.6. CONTROL PANEL ASSEMBLY



Ref.	Code	Description	Qty
2	10183A72	ROUNDED KNOB 8x60mm	NR 2
3	10185A72	ROUNDED KNOB 8x30mm	NR 2
5	11818A72	POWER SUPPLY UNIT 8070/8070A/8070B/8070D	NR 1
5	11818E72	POWER SUPPLY UNIT 8070C/8070E	NR 1
6	11819A72	POLYTREND KEYBOARD UNIT 8070	NR 1
6	11819F72	POLYTREND KEYBOARD UNIT 8070A	NR 1
6	11819B72	POLYTREND KEYBOARD UNIT 8070B	NR 1
6	11819C72	POLYTREND KEYBOARD UNIT 8070C	NR 1
6	11819D72	POLYTREND KEYBOARD UNIT 8070D	NR 1
6	11819E72	POLYTREND KEYBOARD UNIT 8070E	NR 1

6.8. CONTROL PANEL POWER SUPPLY UNIT



Ref.	Code	Description	Qty
10	11133B72	THERMOSTAT PROJECTING (STRAIGHT)	NR. 1
12	11233B72	POLYTREND MOTOR ASSEMBLY	NR. 1
22	4906A72	FIRE RETARDANT VENT	NR. 1
30	6912A72	VENT SENSOR BLOCK	NR. 1
31	11882A72	FIN RESISTENCE 280W	NR. 1

7. PREVENTIVE MAINTENANCE PROGRAMME

All electro-medical apparatus must be subjected to regular maintenance as described in the enforced Standards.

The goal of the Preventative Maintenance Programme is to minimise the need for repairs of breakdowns and to obtain:

- Correct working order;
- The safety of the patients, the user and the surrounding environment;
- The maximum availability of the apparatus.

The Preventative Maintenance consists of controls carried out by the operator and periodic maintenance; There must be written programmes of maintenance for every type of apparatus, based on the laws, the technical standards, and the Manufacturer's Recommendations contained in this manual. This programme must include the checks made by the operator and periodic maintenance.

Ginevri commits to respect what is described above recommending with the following pages the basic operations to follow for the maintenance of the apparatus:

7.1. Calibration Check

For the proper working of the incubator repeat the calibration check indicated in cap.3.

7.2. Check of the electrical safety parameters

Make sure of the dispersion and isolation filling.

8. TECHNICAL DATA

STRUCTURE	POLYCARBON
POWER SUPPLY	220v 50/60hz
POWER ABSORBED	430w (570w with HOT SPOT)
SAFETY CLASS	I
CATEGORY	B
EARTHING	70 μ A
ELECTRICAL PROTECTION	2 FUSES 5 x 20mm 3.15 AMP F
POWER FAILURE BATTERY ALARM	INCLUDED
SKIN TEMPERATURE INDICATION	0.1°C RESOLUTION, 0.3°C MAX ERROR
AIR TEMPERATURE INDICATION	0.1°C RESOLUTION, 0.6°C MAX ERROR
HIGH TEMPERATURE ALARM	(Automatic mode only) AUTOMATIC ACOUSTIC/VISUAL (+1°C with respect to the SET TEMP)
IDEAL AMBIENT TEMPERATURE	21°C to 26°C
STORAGE TEMPERATURE	-10°C to +50°C
MAXIMUM WEIGHT ON THE PATIENT BED	10kg
MAXIMUM DIMENSIONS	83x65x69 Cm
WEIGHT	37 Kg